INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29167

A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : A61K 39/385, 39/02, 39/09, 39/00 US CL : 424/197.11, 234.1, 244.1, 184.1, 236.1, 831					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 424/197.11, 234.1, 244.1, 184.1, 236.1, 831					
Documentation searched other than minimum decumentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category * Citation of document, with indication, where a		Relevant to claim No.			
Y WO 02/34771 A2 (CHIRON S.P.A.) 02 May 2002	(02.05.2002), pages 7, 841 and 842.	1-17			
Y US 6,372,222 B1 (MICHON et al) 16 April 2002 (US 6,372,222 B1 (MICHON et al) 16 April 2002 (16.04.2002), claims and Examples.				
Y US 6,426,074 B1 (MICHEL et al.) 30 July 2002 (3	US 6,426,074 B1 (MICHEL et al.) 30 July 2002 (30.06.2002), Example 14.				
Further documents are listed in the continuation of Box C.	See patent family annex.				
* Special categories of cited documents: *A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date	"X" later document published after the in priority date and not in conflict with understand the principle or theory us document of particular relevance; the considered novel or cannot be considered step when the document is taken along the considered and the considered are the considered and the considered are the considered and the considered are the conflict with the conflict	the application but cited to derlying the invention cannot be dered to involve an inventive			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the considered to involve as inventive st combined with one or more other succombination being obvious to a personal combination of the combinatio	ep when the document is ch documents, such			
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the	"&" document member of the same patent				
Date of the actual completion of the international search	Date of mailing of the international sea	12°AUG 2004			
15 April 2004 (15.04.2004)	Authorizand afficiant / 1	7 11 6			
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	S. Devi, Ph.D. Telephone No. (703) 308-0196	in-phy			
Facsimile No. (703)305-3230					

Form FCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29167

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
Claim Nos.: because they relate to subject mat	tter not required to be searched by this Authority, namely:			
•	e international application that do not comply with the prescribed requirements to linternational search can be carried out, specifically:			
3. Claim Nos.: because they are dependent claim 6.4(a).	is and are not drafted in accordance with the second and third sentences of Rule			
Box II Observations where unity of inve	ention is lacking (Continuation of Item 2 of first sheet)			
This International Searching Authority found me Please See Continuation Sheet	nultiple inventions in this international application, as follows:			
searchable claims. 2. As all searchable claims could be payment of any additional fee. 3. As only some of the required add	fees were timely paid by the applicant, this international search report covers all e searched without effort justifying an additional fee, this Authority did not invite ditional search fees were timely paid by the applicant, this international search for which fees were paid, specifically claims Nos.:			
is restricted to the invention first Remark on Protest The additional	es were timely paid by the applicant. Consequently, this international search report mentioned in the claims; it is covered by claims Nos.: search fees were accompanied by the applicant's protest. companied the payment of additional search fees.			

Form FCT/ISA/210 (continuation of first sheet(1)) (July 1998)

BOX II. OBSERVATIONS WHEE This application contains claims directed invention because they are not so linked	RE UNITY OF INVENTION IS LANd to more than one species of the generic as to form a single general inventive con	invention. These species are dec	emed to lack unity of
In order for more than one species to be follows:	examined, the appropriate additional exa	amination fees must be paid. The	species are as
GBS saccharide antigen species: serotyp	e Ia; serotype Ib; and serotype III.		
The claims are deemed to correspond to Claims 1 and 17.	the species listed above in the following	manner:	
species tack the same or corresponding s	a single general inventive concept under special technical features for the followin listed above do not share significant stru	g reasons:	
			•
		G	
			*,
Continuation of B. FIELDS SEARCE DIALOG, WEST, EMBASE, BIOSIS, M. GRES OF GROUP P. OFFICE AND ASSESSED OF THE PROPERTY OF T	MEDLINE		
GBS or group B streptococc?, (Ia or Ib o	r 111), GBS/9, GBS80 to GBS 691, inver	ntor's name	

INTERNATIONAL SEARCH REPORT

PCT/US03/29167

Form FCT/ISA/210 (second sheet) (July 1998)